Distributed by:

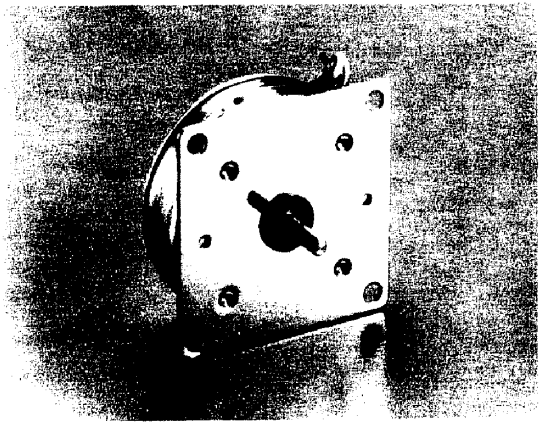
JAMECO® ELECTRONICS

www.Jameco.com ✦ 1-800-831-4242

The content and copyrights of the attached material are the property of its owner.

Jameco Part Number 210391

STP-42/96S

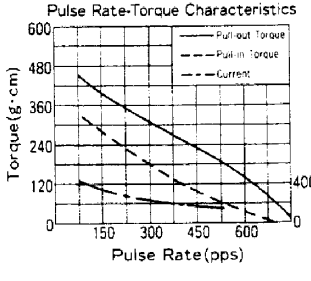


■Specifications

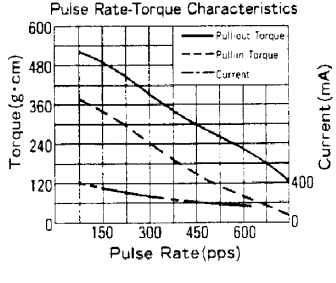
Item	Unit	STP42NI96S	
		Standard type	
Angle of Rotation per Step	Degrees/step	3.75	
Number of Phases	Phase	4	
Drive System	—	Unipolar drive	
Voltage for Motor Drive	V	12	24
Winding Resistance	Ω/phase	50	110
Current (two phases holding)	mA	480	436
Inductance (1V•1KHz)	mH	25	60
Temperature Rise (200pps)	℃	70	—
Detent Torque	g•cm	60	60
Holding Torque	g•cm	550	600
Maximum Pull-out Pulserate	pps	700	800
Maximum Pull-in Pulserate	pps	650	700
Rotor Inertia	g•cm²	7.5	
Weight	g	Approximately 110	
Lead Wire	—	UL 3265 AWG 26 ℓ = 200mm	
Insulation Resistance	MΩ	Minimum 100 (DC500V)	
Dielectric Strength	—	AC300V, 1 minute (60Hz)	
Rotor Shaft Reflection	mm	Maximum 0.05	
Strength Direction of Shaft Thrust	Kg	Minimum 10	

Note The above are medium values. All specification of this drive are subject to change without notice.

STP42NI96S 12V·50Ω



STP42NI96S 24V·110Ω



●Outline and Dimensions